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| APPLICATION NO.  | F    | FILING DATE  | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO |
|--|------|--------------|----------------------|---------------------|-----------------|
| 09/941,399   |      | 08/28/2001   | Yasushi Takatori     | 080974              | 6150            |
| 20350  | 7590 | 12/17/2004   |                      | EXAM                | INER            |
|  |      | TOWNSEND AND | HASHE                | HASHEM, LISA        |                 |
| TWO EMBARCADERO CENTER EIGHTH FLOOR SAN FRANCISCO, CA 94111-3834 |      |              |                      | ART UNIT            | PAPER NUMBER    |
|  |      |              |                      | 2645                | · · ·           |

DATE MAILED: 12/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|  | Application No.   | Applicant(s)  |  |  |  |  |  |
|--|---|---|--|--|--|--|--|
|  | 09/941,399  | TAKATORI ET AL.   |  |  |  |  |  |
| Office Action Summary  | Examiner  | Art Unit  |  |  |  |  |  |
| •  | Lisa Hashem   | 2645  |  |  |  |  |  |
| The MAILING DATE of this communication app   |   |   |  |  |  |  |  |
| Period for Reply   |   |   |  |  |  |  |  |
| A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | 86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE | ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133). |  |  |  |  |  |
| Status   |   |   |  |  |  |  |  |
| 1)⊠ Responsive to communication(s) filed on 28 Au  | <u>ugust 2001</u> .   |   |  |  |  |  |  |
| 2a) This action is <b>FINAL</b> . 2b) This   | action is non-final.  |   |  |  |  |  |  |
| • •  | <u>,</u>  |   |  |  |  |  |  |
| Disposition of Claims  |   | ,   |  |  |  |  |  |
| Claim(s) 1-24 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  Claim(s) is/are allowed.  Claim(s) is/are rejected.  Claim(s) is/are objected to.  Claim(s) 1-24 are subject to restriction and/or election requirement.   |   |   |  |  |  |  |  |
| Application Papers   |   |   |  |  |  |  |  |
| 9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Ex   | epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj  | e 37 CFR 1.85(a).<br>ected to. See 37 CFR 1.121(d).   |  |  |  |  |  |
| Priority under 35 U.S.C. § 119   |   |   |  |  |  |  |  |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  |   |   |  |  |  |  |  |
| Attachment(s)  |   |   |  |  |  |  |  |
| 1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  |   |   |  |  |  |  |  |
| Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)     Paper No(s)/Mail Date   | Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:   | ate<br>atent Application (PTO-152)  |  |  |  |  |  |

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## Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-10, drawn to an adaptive antenna control method wherein an interference wave power is estimated, classified in class 455, subclass 562.1.
- II. Claims 11-24, drawn to an adaptive antenna transmission/reception characteristic control method to control the directivity of an antenna of each base station, classified in class 455, subclass 25.
- 2. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable.
  - In the instant case, invention I has separate utility than invention II, such as an
    adaptive antenna control method, wherein for reception by each terminal station,
    an interference wave power given by a transmission signal from each of a
    plurality of radio base stations is estimated.
  - Invention II has separate utility than invention I, such as an adaptive antenna transmission/reception characteristic control method to control the directivity of an antenna of each base station, wherein a directivity characteristic of the antenna of each base station is changed on the basis of the received signals to reduce an interference power between the terminal stations.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, and have acquired a separate status in the art because of their recognized divergent subject matter, and the search required for

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each invention is not required for the other, restriction for examination purposes as indicated is proper. See MPEP § 806.05(d).

- 4. A telephone call was made to Applicants' representative, Kenneth Allen (Reg. No. 27,301), on November 30, 2004, to request an oral election to the above restriction requirement, but did not result in an election being made.
- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement may be traversed (37 CFR 1.143).
- Applicants are reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently filed petition under 37 C.F.R 1.48(b) and by the fee required under 37 C.F.R 1.17(i).
- A shortened statutory period for response to this action is set to expire 0 (zero) months and 30 (thirty) days from the mail date of this letter. Failure to respond within the period for response will result in ABANDONMENT of the applicant (see 35 U.S.C 133, MPEP 710.02, 710.02 (b)).
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lisa Hashem whose telephone number is (703) 305-4302. The examiner can normally be reached on M-F 8:30-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (703) 305-4895. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

lh

November 30, 2004

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600